



भारत का राजपत्र

The Gazette of India

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नई दिल्ली, शनिवार, जून 25, 1994 (आषाढ़ 4, 1916)

No. 26]

NEW DELHI, SATURDAY, JUNE 25, 1994 (ASADHA 4, 1916)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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PATENTS AND DESIGNS

Calcutta, the 25th June 1994

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Bose Road, Calcutta-700020.

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पेटेंट कार्यालय

एकत्र तथा अभिकल्प

कलकत्ता, दिनांक 25 जून 1994

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जौन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडोरी इस्टेट,
तीसरा तल, लोडर परले (पश्चिम),
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य
क्षेत्र एवं संघ शासित क्षेत्र गोवा, दमन तथा
दीप एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
एकक सं 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, कराले बाग,
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
61, बालासाह रोड,
मद्रास-600002 ।

बान्धू प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,
मिस्त्रिकाय तथा एमिनिदिवि द्वीप ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय,
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपे-
क्षित सभी आवेदन-पत्र, सच्चाएँ, विवरण या अन्य प्रलेख पेटेंट
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शर्तक :—शर्तकों की अदायगी या तो नकद की जाएगी अथवा
उपयुक्त कार्यालय से नियंत्रक को भुगतान योग्य भनावेश अथवा
डाक आवेदन या जहाँ उपयुक्त कार्यालय अवस्थित है; उस स्थान
के अनसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक द्वारा
अथवा बैंक द्वारा की जा सकती है ।

CORRIGENDUM

In the Gazette of India, Part-III, Sec 2 dated the 20th March, 1993 (a) In page 209 col. 1 for application for Patent No. 961/Del/87 filed on 4th November, 1987 read the accepted No. as 172041 instead of 171041.

(b) In page 210, col. 2 for application for Patent No. 1000/Del/87 filed on 20th November, 1987 read the accepted No. as 172044 instead of 192044.

In the Gazette of India, Part-III, Sec. 2, dated the 27th March, 1993, (a) In page 230, col. 1 for application for Patent No. 687/Mas/88 filed on 4th October, 1988 read the applicant as BASF AKTIENGESSELLSCHAFT instead of BASE AKTIENGESSELLSCHAFT.

(b) In page 233, col. 2 for application for Patent No. 91/Mas/89 filed on 3rd February, 1989 read the accepted No. as 172074 and applicant as CATERPILLAR INC. instead of 172079 and CATER PILLER INC.

(c) In page 237, col. 2 for application for Patent No. 569/Del/87 filed on 6th July, 1987 read the applicant as ROHM AND HAAS Co. instead of ROHM AND HQAS CO.

In the Gazette of India, Part-III, Sec. 2 dated 3rd April, 1993 (a) In page 259, col. 2 for application for Patent No. 725/Mas/88 filed on 17th October, 1988 read the applicants as TECUMSEH PRODUCTS CO. instead of TECUNSEH PRODUCTS CO.

(b) In page 260, col. 1 for application for Patent No. 760/Mas/88 filed on 31st October, 1988 read the applicant as SCHUMBERGER LIMITED instead of SCHIUMBERGER LIMITED.

The amendment proposed by WOCKHARD LIMITED, Poonam Chambers Shivasagar Estate, Dr. Annie Besant Road Worli, Bombay-400 018, in respect of Patent No. 172680 advertised in Part II, Section 2 of Gazette of India, dated 14-06-1994 has been withdrawn.

APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent branch are the dates claimed under Section 135, of the Patent Act, 1970.

4th May 1994

328/Cal/94. (1) Siemens Aktiengesellschaft, (2) Hoechst Aktengesellschaft. Epoxy resin mixtures for the production of prepreps and composite materials.

329/Cal/94. (1) Siemens Aktiengesellschaft, (2) Hoechst Aktengesellschaft. Epoxy resin mixtures for the production of prepreps and composite materials.

330/Cal/94. PPC Industries, Inc., Neutral, low emissivity coated glass articles and method for making.

331/Cal/94. Sotac Corporation. A composition for controlling weeds and weed seeds in soils comprising a pesticide and a soil desalinating substance. (Divided out of Application No. 196/Cal/92 dated 23-3-92)

332/Cal/94. Sotac Corporation. A method of treating soil prior to seed germination. (Divided out of Application No. 196/Cal/92 dated 23-3-92).

333/Cal/94. Rameshwar Jha, Surya Kumar Singh, Amit Chatterjee. Improved corrosion resistant steel.

APPLICATIONS FOR PATENTS FILED AT THE
PATENT OFFICE BRANCH, 61, WALLAJAH ROAD,
MADRAS-02

11th April, 1994

281/Mas/94. Bipinchandre Revandas Patel. Samosa Maker.

282/Mas/94. Bipinchandra Revandas Patel. Venetian blinds cleaner.

283/Mas/94. Dr. C. K. Rajkumar. Anti-diabetic salt/masala and curry powders.

284/Mas/94. GI Corporation. Improved semiconductor material and method for controlling switching speed of devices formed therein.

12th April 1994

285/Mas/94. Mysore Sandal Products. Blending unique indigenous traditional medicine in base of sandal wood oil, neem seed oil, chlomogra oil and castor oil for curing the disease of diabetics completely.

286/Mas/94. Sumitomo Chemical Company, Limited. Alumina powder and process for producing the same.

287/Mas/94. Tetra Laval Holdings & Finance SA. A packaging material and a method for its manufacture.

288/Mas/94. DSM N. V. Process for the removal of mercury.

13th April, 1994

289/Mas/94. R. Venkataraman. Automatic siren.

290/Mas/94. Motor Industries Company Limited. Hydraulic expansion chuck.

291/Mas/94. Motor Industries Company Limited. Precision tool clamping system for hollow shank taper holder.

292/Mas/94. The South India Textile Research Association. A device for monitoring and estimating the quantum of suspended impurities like dust in a gas flow.

293/Mas/94. Bolden Wire & Cable Company. Insulated conductor pairs and method and apparatus of making same.

294/Mas/94. Sintertech. Process for fixing a connecting fitting on a sintered metallic filtering element and the product thus obtained.

295/Mas/94. Ownes-Brockway Glass Container Inc. Apparatus for inspecting containers having a dual optical transmission means. A dual light sensing means and a rotating head.

296/Mas/94. Owens-Brockway Glass Container Inc. Multiple orifice glass feed system utilising plungers.

15th April, 1994

297/Mas/94. Nidamangala Spinivasa Venkatesh. An integral process of pulping silk cotton floss (microbial with partial chemical treatment).

298/Mas/94. Vittal Mallya Scientific Research Foundation. A process for separation of anacardic acids from solvent extracted cashewnut shell liquid (CNSL).

299/Mas/94. F Hoffmann-La Roche AG. Cephalosporin derivatives.

300/Mas/94. Conifer Corporation. MMDS over-the-air Bi-directional TV/Data transmission system and method therefor.

301/Mas/94. Tetra Laval Holdings & Finance S A. A packaging laminate and a packaging container produced from the packaging laminate and possessing good fat resistance properties.

302/Mas/94. Hermes Schleifmittel GMBH & Co. Ceramic corundum abrasive.

303/Mas/94. Mauser-Werke GMBH. Pallet container.

304/Mas/94. QED, Inc. A method of making hyperpasteurised food product. (Divisional to Patent Application No. 508/Mas/92).

18th April, 1994

305/Mas/94. American Telephone & Telegraph Company. Multimedia telecommunications network and service.

306/Mas/94. Caterpillar Inc. Exhaust directing valve mechanism for a vehicle.

307/Mas/94. Shell Internationale Research Maatschappij B.V. Drilling kick-off device. (April 30 1993).

19th April, 1994

308/Mas/94. Givaudan-Roure (International) S A. Substituted valeric acid.

309/Mas/94. Comau S.p.A. Device for spot welding of structure formed of pressed sheet metal elements.

310/Mas/94. Scdepro. A method of manufacturing tires.

311/Mas/94. Imagine Thought Processing Inc. Method for the representation of knowledge in a computer.

20th April, 1994

312/Mas/94. James Edward Basin & Gregory Tood Whiteker. A hydrogenation process. (Divisional to Patent Application No. 516/Mas/92).

313/Mas/94. James Edward Basin and Gregory Tood Whiteker. A hydroformylation. (Divisional to Patent Application No. 516/Mas/92).

314/Mas/94. Maschinenfabrik Rieter AG. Method for loading peg trays with tubes.

315/Mas/94. Maschinenfabrik Rieter AG. Method for loading peg trays with tubes.

316/Mas/94. IMC Fertilizer, Inc. Automatic control system for a chemical process, especially a wet process phosphoric acid plant.

317/Mas/94. L G Balakrishnan & Bros. Ltd. Notched hole bush timing chains.

21st April, 1994

318/Mas/94. Krupp Widia GmbH. Cutting Unit.

319/Mas/94. Krupp Widia GmbH. A cutting Unit.

320/Mas/94. Krupp Widia GmbH. Composite material and process for its production.

321/Mas/94. Tiruvurur Rangaswamy Krishnaswamy. Improvements in or relating to domestic solar water heater.

322/Mas/94. Himont Incorporated. Crystalline propylene polymers having high melt flow rate values and a narrow molecular weight distribution.

323/Mas/94. The BOC Group PLC. Air separation. (July 5, 1993).

22nd April, 1994

324/Mas/94. Fan Chaolat. A quick-and-slow speed screw drive mechanism.

325/Mas/94. Rhone-Poulenc Chimie. Microporous diaphragm and process for its preparation.

326/Mas/94. Bandgap Technology Corporation. Improved method for lift-off epitaxial layers and applications thereof.

ALTERATION OF DATE UNDER SECTION-16

173669 Ante-dated to 28th January, 1991.
(199/Cal/92)

173670 Ante-dated to 10th March, 1992.
(237/Cal/93)

Patent No. 173679 Ante-dated to 21st December, 1987.
(309/M/91)

Patent No. 173680 Ante-dated to 21st December, 1987.
(310/M/91)

Patent No. 173697 Ante-dated to 21st October, 1988.
(955/M/91)

Patent No. 173699 Ante-dated to September 20, 1988.
(73/M/92)

Patent No. 173700 Ante-dated to 17th May, 1989.
(435/M/92)

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four month given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page are Rs. 2/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अंशिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र को उपर्युक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।”

वर्णकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Cl. 128 K.

173661

Int. Cl. A 61 B 17/04.

“SURGICAL SUTURING INSTRUMENT”.

Applicants & Inventors : (1) VIKTOR ALEXEEVICH LIPATOV, OF MOSCOW, ULITSA PROFSOJUZNAYA, 91, KORPUS 3, kv. 27, USSR; (2) NIKOLAI NIKOLAEVICH KANSHIN, OF MOSCOW, ULITSA M. FILEVSKAYA, 68, kv. 10, USSR; (3) IGOR ALEXEEVICH GUSKOV, OF MOSCOW, ULITSA TULINSKAYA, 10 KORPUS I, kv. 80, USSR.

Application No. 496/Cal/88; filed on 17th June, 1988.

Appropriate office for opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

9 Claims

A surgical suturing instrument for establishing circular compression anastomoses in the organs of the digestive tract, comprising a hollow body; a rod arranged in the hollow body coaxially therewith and carrying at one of its ends a connecting ring fixed in position with the aid of a nut; a hollow cylindrical knife having such an inside diameter that enables the nut to freely pass therethrough, the knife being held to a hollow tube which is arranged coaxially in the hollow body and which accommodates the aforementioned rod located coaxially therewith; a mechanical actuator of the hollow cylindrical knife adapted to interact with the hollow tube; a needle arrangement accommodated in the hollow body and having a first ring-shaped element provided with a plurality of holes, and a second ring-shaped element coaxial with the first one and carrying a plurality of needles fixed in position thereon, each of the needles corresponding to one of the holes in the first ring-shaped element, while at least part of the needles have a locking cone at the free end thereof, which needles are to pass through said connecting ring when establishing an anastomosis and those needles which have a locking cone get secured in position in the connecting ring; characterised by a pusher upon one of whose ends rests the second ring-shaped element of the needle arrangement, while its other end has a hollow chamfer and a stop which is adapted to interact with a stop of the hollow body so as to restrict the travel of the second ring-shaped element in the course of anastomosing; a split bush fitted on the hollow tube and having an out-side taper collar adapted to engage the hollow chamfer of the pusher; and a retainer of the split bush located on the hollow tube and accommodated inside the split bush.

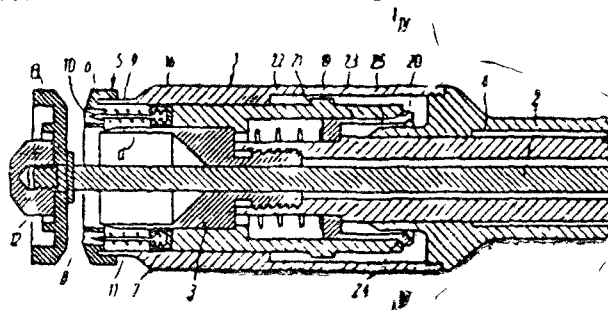


FIG 1

Draws. 6 sheets.

Compl. specn. 19 pages.

Cl. 80 C.

173662

Int. Cl. : B 01 D 25/12, 25/02, 33 02.

"AUTOMATIC FILTER PRESS".

Applicant : HERCO-CFF CHIRALFLOW FILTERTECHNIK GMBH. OF PLANCKSTRASSE 26, D-7149 FREIBERG ON NECKAR, GERMANY.

Inventor : DIETER KUPKA.

Application No. 948/Cal/89; filed on 16th November, 1989.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

24 Claims

A filter press comprising a substantially cylindrical vessel having at least one inlet and at least one outlet, a plurality of filter elements disposed in said vessel parallel to one another and containing respective filtrate chambers communicating with at least one filtrate outlet, and at least one rotor mounted in said vessel, said rotor including a rotor shaft rotatably mounted in said vessel, optionally in an axially displaceable manner and extending along the axis of said vessel, said rotor shaft being connected to a drive source and carrying a plurality of wall-shaped rotor elements fixedly connected thereto, each said rotor element being disposed between two adjacent filter elements and designed as a press element the surfaces of which are adapted to be forced towards said filter elements for mechanically compressing and squeezing filter cakes accumulated thereon, characterized by the following features :

- (a) said vessel (1) is disposed with its axis (0) in an upright position,
- (b) said filter elements are formed as cylindrical wall members (13) of different diameters disposed concentrically about said axis (0) of said vessel and supported by a carrier grid (12),
- (c) said press elements (22) are formed as cylindrical wall members of different diameters disposed concentrically about said axis (0) of said vessel and secured to a radial mounting structure (21) extending transversely away from said rotor shaft (18) at the side of said filter elements (13) facing away from said carrier grid.

(Compl. Specn.—27 pages)

(Draws.—9 sheets)

Cl. 136 F, I.

173663

Int. Cl. B 29 D, 22/00.

"A RESINOUS ARTICLE AND METHOD OF MANUFACTURING THE SAME".

Applicant : SCHOCK & CO. GMBH. OF GUMUNDER STRASSE 65, 7060 SCHORNDORF, WEST GERMANY.

Inventor : FRIEDRICH CHOCK.

Application No. 725/Cal/89; filed on 04th September, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 claims

A resinous article having a front side exposed to the user and a rear side and consisting of a compound containing a resin forming a matrix and a filler formed at least predominantly of mineral filler particles, the filler constituting at least approximately 50% by weight of the compound and its mineral filler particles having an unbroken grain shape, characterized in that the predominant portion of the mineral filler particles has a size of 0.1 mm to 2 mm, that the filler constitutes 50 to 85% by weight of the compound, that the mineral filler particles have a colour coating on their surface and that in the regions of the front side subject to severe wear and tear during use the packing density

of the mineral filler particles is greater on the front side than on the rear side of the component wherein for hardening the resin of the flowable mixture the mold is first of all heated at the surfaces resting against the front side of the article and/or heated up to a higher temperature than at the mold surfaces resting against the rear side of the article.

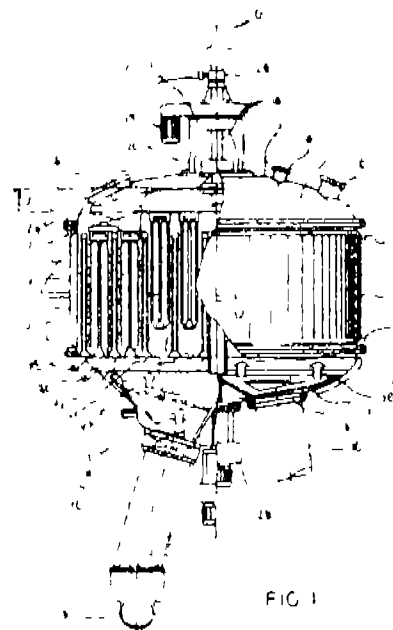
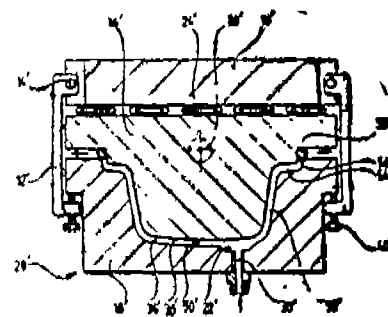
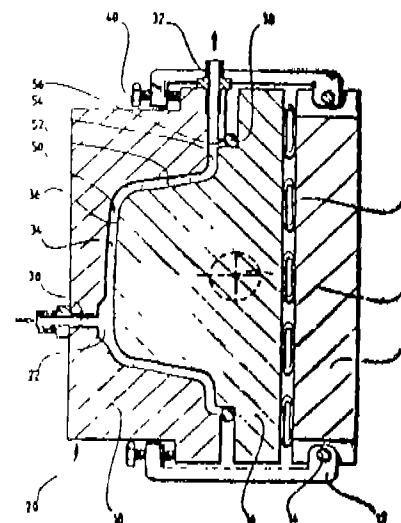


FIG. 1



(Compl. specn.—23 pages.)

(Draws.—2 sheets.)

Application No. 911/Cnl/89: filed on 31st October, 1989.

Int. Cl. B 65 B 13/24, 13/30, 13/32

"A. TRANSPORT AND STORAGE CONTAINER FOR FLOWABLE MATERIALS".

Applicant : SOTRALENTZ S. A. OF 24, RUE DU PROFESSEUR-FROELICH, F-67320 DRULINGEN, FRANCE.

Inventors : (1) GEORGES ROSER,
(2) PIERRE PFEIFFER,
(3) ANDRÉ HAMM

Application No. 787/Cal/89; filed on 26th September, 1989.

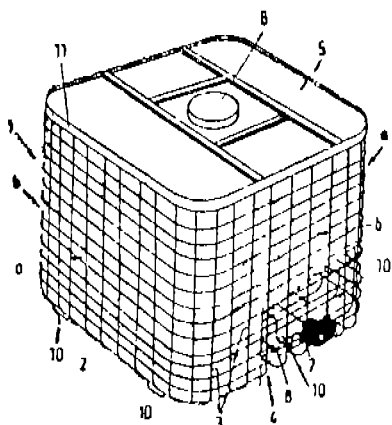
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 claims

A transport and storage container for flowable materials, the container comprising :--

An outer support structure comprised of a plurality of vertical flat panels each formed by a grid work of horizontal and vertical bars, the horizontal bars being inter connected with the panels forming an upwardly open rectangular-section tube; and a generally rectangular bottom formed as a grid work of horizontal bars and having respective sides juxtaposed with the panels of the side, the vertical bars of the side having horizontally bent lower ends lying against respective bars of the bottom, at least some of the bent lower ends, of adjacent panels of the side crossing one another with respective welds securing together the crossing lower ends of the side and securing the lower ends and the bars of the bottom together; and an inner vessel composed of a plastic material enclosed by said outer support structure and supported on the bottom.

Fig.1



(Compl specn — 26 pages.

Drgns.—5 sheets).

173665

Int. Cl.⁴ B 61 C 15/08.

"A STALL DETECTION SYSTEM FOR A TRACTION VEHICLE".

Applicant : GENERAL ELECTRIC COMPANY, OF 1
RIVER ROAD, SCHENECTADY 5, NEW YORK, UNITED
STATES OF AMERICA.

Inventor : FRANK MICHAEL GRABOWSKI

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

14 claims

A stall detection system for a traction vehicle having at least one pair of electric traction motors (M1, M2) operatively connected to at least two vehicle wheels and having means (45, 46) for deriving first and second signals representative, respectively, of the rotational speeds of such wheels, the system comprising :

first means (61,62) responsive to the first and second signals for indicating when the speed of one of the wheels is approximately zero and the speed of the other wheels is greater than a predetermined reference speed;

second means (63) responsive to the first and second signals for indicating when the speed of both of the wheels is approximately zero; and

means (112, 114, 116, 118, 120, 122, 124) for inactivating the first indicating means, and for inactivating the second indicating means whenever the motors are operating in an electric braking mode.

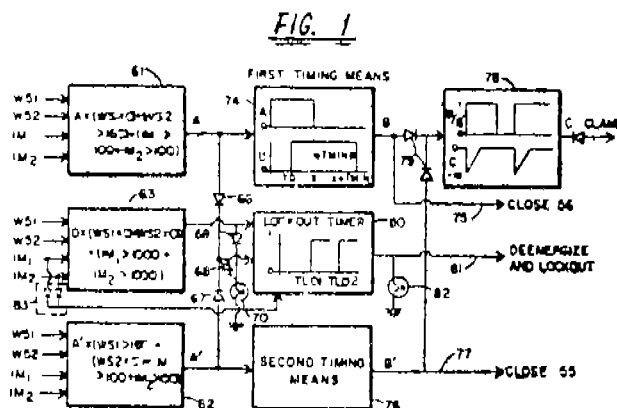


FIG. 2

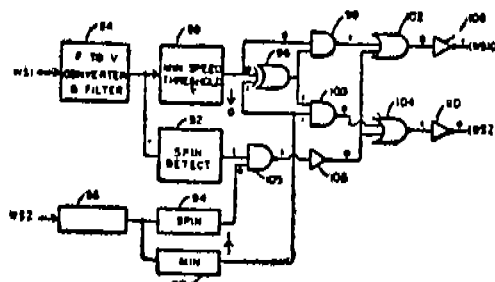


FIG. 3

(Compl speech.—25 pages

Drgns.—3 sheets).

C1. 35-E.

173666

Int. Cl. C 04 B 35/00, 35/56, 35/58, 35/60, 37/76.

"PROCESS FOR PREPARING SELF-SUPPORTING BODY."

**Applicant : LANXIDE TECHNOLOGY COMPANY,
LP. OF TRALEE INDUSTRIAL PARK, NEWARK, DELA-
WARE 19714-6077, UNITED STATES OF AMERICA.**

Inventors : (1) DANNY RAY WHITE,
(2) TERRY DENNIS CLAR.

Application No. 995/Cal/89; filed on 01st December, 1989.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta

8 claims

A method for producing a self-supporting body, comprising :

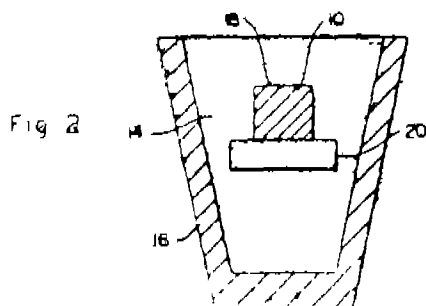
selecting a parent metal, such as herein described;

heating said parent metal in a substantially inert atmosphere to a temperature above its melting point to form a body of molten parent metal, such as herein described,

contacting said body of molten parent metal with a permeable mass comprising boron nitride, and optionally at least one other material, such as herein described,

maintaining said temperature for a time sufficient to permit infiltration of molten parent metal into said permeable mass and causing reaction of said molten parent metal with said boron nitride to form at least one compound selected from the group consisting of a boron-containing compound and a nitrogen-containing compound as herein defined; and

continuing said infiltration and reaction for a time sufficient to produce said self-supporting body comprising at least one compound selected from the group consisting of a parent metal boron containing compound and a parent metal nitrogen-containing compound as herein defined.



(Compl. specn.—26 pages.

Drgns.—5 sheets).

Cl. 143 D, 3

173667

Int. Cl.⁴ B 65 B 35/56.

"METHOD AND APPARATUS FOR COMPILING DEFORMABLE, SUBSTANTIALLY CYLINDRICAL BODIES, PARTICULARLY TAMPONS AND FOR PACKING THEM".

Applicant : MCNEIL-PPC, INC. OF VAN LIEW AVENUE, MILLTOWN, N. J. 08850, UNITED STATES OF AMERICA.

Inventors : (1) FRITZ PESENDORFER,
(2) KARL SCHRATTER,
(3) JOSEF SCHRAFFI, AND
(4) JOSEF ZORZI.

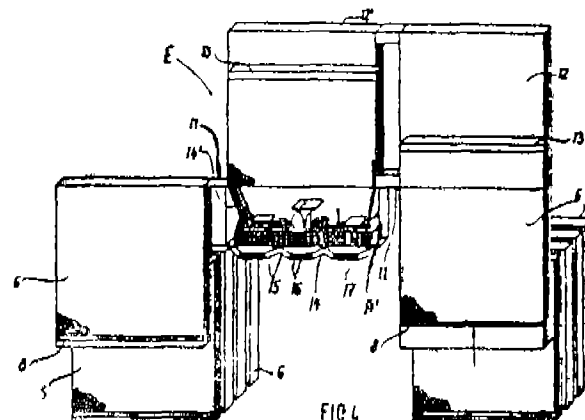
* Application No. 211/Cal/90; filed on 14th March, 1990.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 claims

In the production of package of deformable substantially cylindrical bodies, particularly tampons, a method for compiling said bodies comprising vibrating said bodies being substantially parallelly stacked and superposed to each other and aligning at least one row of adjacent parallel bodies, whereafter this row of adjacent parallel bodies, whereafter this

row is shifted in longitudinal direction of said bodies and fed to a reception means, characterized in that said row of aligned bodies is placed in a substantially parallelepipedic magazine through a narrow side of said magazine adapted to the length of said bodies, that said magazine is spaceless charged with a plurality of body rows, whereafter said magazine is transferred to a magazine discharge station and positioned below a substantially similar transfer magazine. that thereafter the bodies are shifted from said magazine upwardly into said transfer magazine which is then moved in transverse direction through a reception space for said bodies with its narrow side being adapted to the length of said bodies which enter said reception space by gravity and are divided into streams moving downwardly into the region of two or more adjacent discharge device from which said bodies compiled to predetermined groups are shifted at the same time into cups of a cup conveyer.



(Compl. Specn.—11 pages.

Drgns.—4 sheets).

Cl. 116 D

173668

Int. Cl.⁴ B 66 C 1/14, 1/22, 1/34.

"LOW FRICTION SUSPENSION BLOCK ASSEMBLY USED WITH MOIST OR LIFTING EQUIPMENT."

Applicant : TRACTEL TIRFOR INDIA PVT. LTD. OF 15 GANESH CHANDRA AVENUE CALCUTTA-700 013, WEST BENGAL, INDIA.

Inventor : DR. PRADIP KUMAR CHAKRAVARTY.

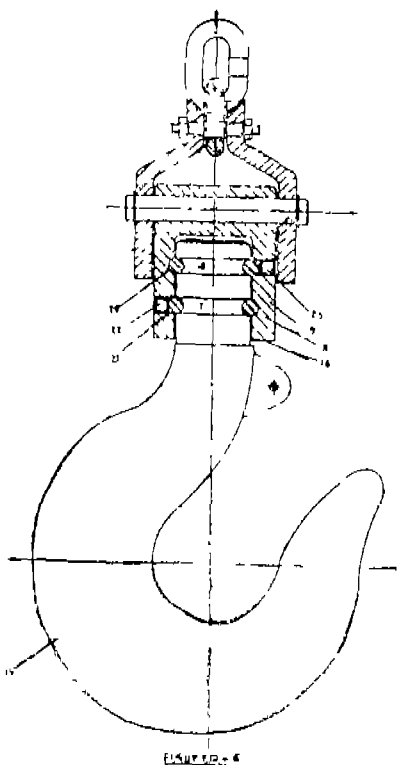
Application No. 514/Cal/90; filed on 20th June, 1990.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta

5 claims

Low friction suspension block assembly used with hoist or lifting equipment comprising a hook (1) with a shank (2) on which is provided at least one semi circular groove (3) around the shank, a hook holding block (4) having an axial bore (5) for housing the said shank (2) of the hook therein, the bore (5) being also provided with at least one corresponding semi circular groove (6) around the bore; the hook (1) and the block (4) on the assembled condition forming an annular space inside with circular cross section into which are inserted a definite number of hardened steel

balls (11) through a passage completely filling the annular space thereby constituting an improved bearing system.



(Compl. specn.—10 pages.

Drgns.—4 sheets)

Cl. 32 F₆+55E₄

173669

Int. Cl.⁴ C 07 D 239/28, 239/50.

"METHOD FOR THE PREPARATION OF 1-([O-(CYCLOPROPYL CARBONYL) PHENYL] SULFAMOYL)-3-(4, 6-DIMETHOXY-2-PYRIMIDINYL) UREA".

Applicant : AMERICAN CYANAMID COMPANY, OF THE STATE OF MAINE, UNITED STATES OF AMERICA AND EXECUTIVE OFFICES AT ONE CYANAMID PLAZA, WAYNE, STATE OF NEW JERSEY 07470, UNITED STATES OF AMERICA.

Inventors : (1) THOMAS EUGENE BRADY,
(2) MICHAEL EDWARD CONDON,
(3) PIERE ANTOINE MARC.

Application No. 199/Cal/92; filed on 25th March, 1992.

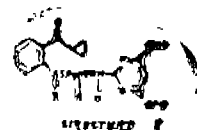
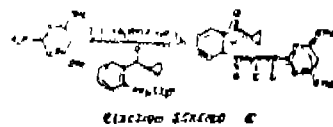
[Divided out of No. 82/Cal/91 antedate to 28-01-1991].

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta

2 claims

A method for the preparation of 1-([O-(cyclo-propyl carbonyl) phenyl] sulfamoyl)-3-(4, 6-dimethoxy-2-pyrimidinyl) urea of formula of structure 1 of the accompanying drawings which comprises reacting 2-amino 4, 6-dimethoxy-pyrimidine with chlorosulfonyl isocyanate in the presence of methylene chloride and treating at ambient temperature and under stirring the thus formed reaction mixture with O-amino-phenyl cyclopropyl ketone and triethylamine in the presence of methylenechloride as shown in Reaction Scheme 11 of the drawings to obtain 1-([O-(cyclopropyl carbonyl) phenyl] sulfamoyl)-3-(4, 6-dimethoxy-2-pyrimidinyl) urea, said 2-amino-

4,6-dimethoxypyrimidine, chlorosulfonyl isocyanate, O-amino-phenyl cyclopropyl ketone and triethylamine being employed in substantially equimolar amounts



(Compl. specn.—19 pages.

Drgns.—1 sheets).

Cl. 32 F2 (a)

173670

Int. Cl.⁴ A 61 K 31/165 C 07 C 103/26.

"A SINGLE STEP PROCESS FOR THE MANUFACTURE OF 4-HYDROXY-PHENYLACETAMIDE FROM KETALS OF α -BROMO-P-HYDROXY ACETOPHENONE".

Applicant : ICI INDIA LIMITED OF ICI HOUSE, 34 CHOWRINGHEE ROAD, CALCUTTA-700071, WEST BENGAL, INDIA.

Inventors : (1) DR. ASHOK KUMAR,
(2) RAMAKRISHNA APPAJI RANE.
(3) DR. SUNEEL YASHWANT DIKE,
(4) VAIKYAPARAMBIL KRISHNAN
RAVINDRAN.

Application No. 237/Cal/93; filed on 26th April, 1993.

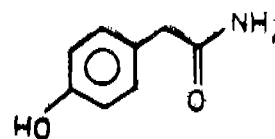
[Divided out of No. 160/Cal/92; antedated to 10-03-1992]

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

3 claims

A single step process for the manufacture of 4-hydroxy-phenylacetamide of the formula I shown in the accompanying drawings, from ketals of the formula VIIIA shown in the accompanying drawings, wherein

R₁ and R₂ are CH₂—CH₂, CH₂C(CH₃)₂CH₂, CH₃ or C₂H₅ comprising subjecting a ketal of the formula VIIIA to 1,2-aryl transposition reaction with aqueous ammonia at 25 to 100°C and pH of 12 to 13



FORMULA I

(Compl. specn.—7 pages.

Drgns.—1 sheet).

Ind. Cl. 144-C & 155-A

173671

[GROUPS - XII(3) & XXIII]

Int. Cl. B 05 D 3/10

B 44 C 1/20

A WATER-BASED EMBOSSED COMPOSITION FOR CHEMICAL EMBOSSED OF A POLYMERIC MATERIAL.

Applicant : CONGOLEUM CORPORATION, INCORPORATED IN THE STATE OF DELAWARE, OF CORPORATE CENTER 1, 989 LENOX DRIVE, LAWRENCEVILLE, NEW JERSEY, 08648, U. S. A.

Inventor : RUDOLF FRISCH

Application No. 690/MAS/88 filed October 4, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

21 Claims (No. drawing)

A water based embossing composition for chemical embossing of a polymeric material having a blowing agent incorporated therein comprising

(a) 10 to 40 percentage by weight of a film forming resin such herein described dissolved or dispersed in said aqueous composition;

(b) 3 to 40 percentage by weight of a modifier such as herein described for modifying the activity of the blowing agent comprising particulate solids having a solubility of not more than 3% by weight at room temperature and uniformly dispersible in the embossing composition and having an average particle size of not greater than 100 microns;

(c) 0 to 45 percentage by weight of a colorant;

(d) 0 to 5 percentage by weight of a softening agent such as herein described and

(e) 10 to 40 percentage by weight of water.

(Com. 42 pages)

Ind. Cl. 172-C [GROUP-XX]

173672

Int. Cl. D 01 G 15/76

AN APPARATUS FOR CLEANING A CARD

Applicant : MACHINENFABRIK RIETER AG, A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF CH-8406, WINTERTHUR, SWITZERLAND.

Inventors : (1) HEINZ NITSCHKE (2) WERNER HAUSCHILD

Application No. 201/MAS/89 filed March 15, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

12 Claims

An apparatus for cleaning a card (1) comprising a plurality of predetermined number of extraction stations in the card, the extracting air for such stations being supplied through air lines (6) to one side (7) of the card (1), characterised in that each air line (6) has an outlet (8) on said (7), and that a removable air main (9; 29; 35) is formed with suction orifices (25) corresponding to the number of outlets (8) and that the air main (9; 29; 35) is connectably positioned to said outlets (8).

(Com. 13 pages; Drawgs. 3 sheets)

Ind. Cl. 76-C [GROUP LXIV (4)]

173673

Int. Cl. G 01 N 23/02

G 01 V 5/00

2--127GI/94

AN APPARATUS FOR DETECTING IF EXPLOSIVE IS PRESENT IN AN ARTICLE

Applicant : COGENT LIMITED, A BRITISH COMPANY, OF TEMPLE COURT, 11 QUEEN VICTORIA STREET, LONDON, EC4N 4TP, ENGLAND.

Inventors : (1) JULIAN DAVID ALLYSON (2) RAMON SPACKMAN (3) GWILYN GORIEN LJAMES (4) JEFFREY FRANK SISSON JAMIESON

Application No. 246/MAS/89 filed March 28, 1989.

Convention date : March 31, 1988; (No. 8807813.4; United Kingdom)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims

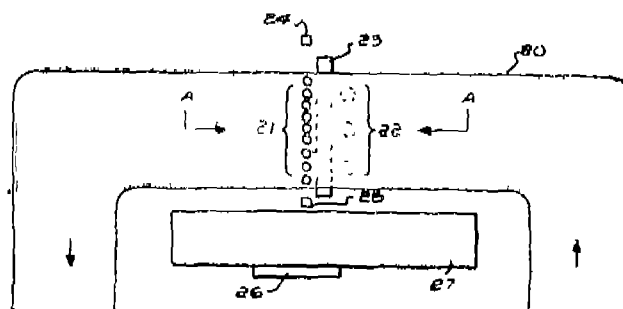
An apparatus for detecting if explosives is present in an article comprising :

a plurality of sources of neutrons,

a plurality of gamma ray detectors,

transport means for moving the article adjacent to the sources and detectors such that the article is subject to neutrons from the sources and generates gamma rays detected by the detectors, the detectors generate outputs in dependence on the detected gamma rays, and analysis means for generating signals corresponding to the output of each detector divided into a series of time intervals such that each time interval corresponds to the movement of only a part of the article past the detectors and sources and for investigating those signals to detect if explosive is present in the article;

wherein the sources are arranged in at least one linear array transverse to the direction the transport means move the article.



(Com. 22 pages; Drawgs. 4 sheets)

Ind. Cl. 107-G [GROUP XLVI (2)]

173674

Int. Cl. F 02 B 1/00

A SIMPLEX UNIFLOW ENGINE

Applicant : TVS-SUZUKI LIMITED, HARITA, HOSUR 635 109, TAMIL NADU, INDIA, A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA.

Inventors : (1) CHINNASWAMY VARADARAJAN (2) NARAYAN RAMANI (3) MEDURI NEELACHALAPATHI MURALIKRISHNA

Application No. 418/MAS/89 filed May 26, 1989.

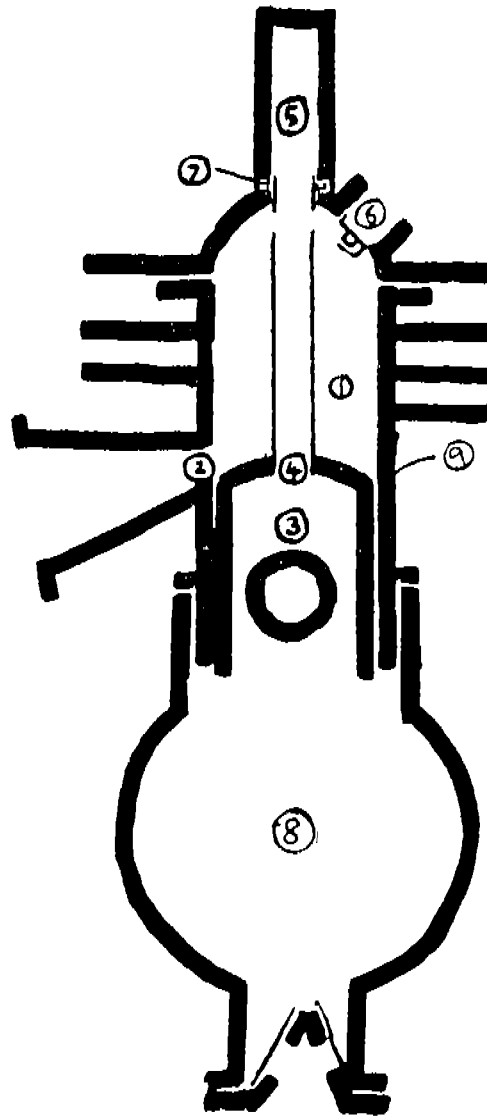
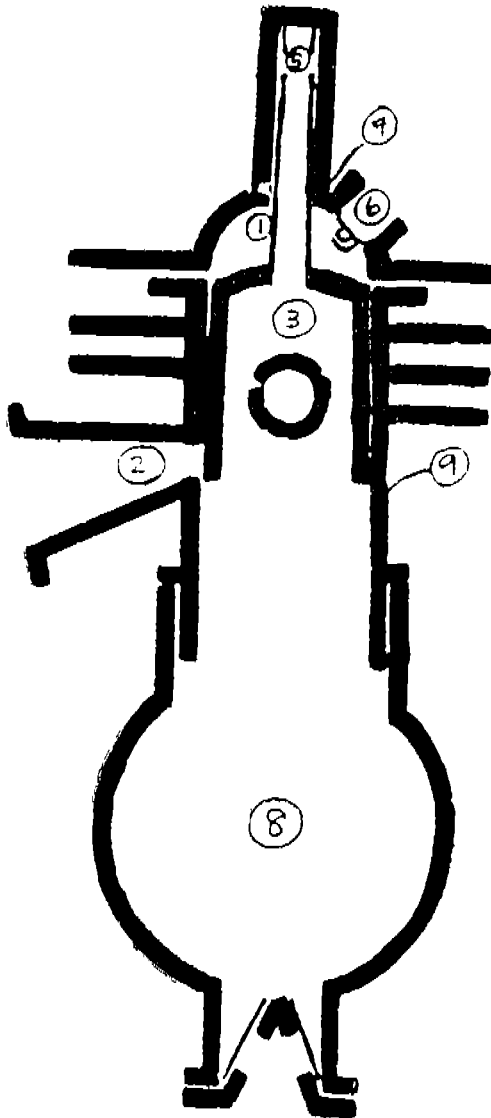
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

A simplex uniflow engine comprising a crankcase together with a cylinder accommodating a piston therein, characterised in that the cylinder has only exhaust port(s) but

no transfer port(s); a sleeve surmounts the piston, said sleeve communicating with the crankcase through the piston itself; a recess provided for the cylinder head, said recess having a sealing ring with which the sleeve forms a snug slide fit, whereby during the power stroke as the sleeve

leaves the recess, fresh charge from the crankcase enters the cylinder through the sleeve at the topmost part of the cylinder, thus scavenging the burnt gases through the exhaust port(s).



(Com. 6 pages; Drawgs. 2 sheets)

Ind. Cl. 35-E [GROUP XXV(2)]

173675

Int. Cl.⁴ C 04 B 35/00.

A PROCESS FOR PREPARING NON-WHITWARE CERAMIC ARTICLES

Applicant : THE DOW CHEMICAL COMPANY. A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, OF 2030 DOW CENTER, ABBOTT ROAD, MIDLAND, MICHIGAN 48640, U.S.A.

Inventors : (1) ALAN PAUL CROFT (2) BRIAN DAVID KOBLINSKI

Application No. 437/MAS/89 filed June 5, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims (No drawing)

A process for preparing non-whiteware ceramic articles, comprising;

(a) preparing a slip by mixing a ceramic particulate material and a slip medium;

(b) preparing a slip additive of a polyalkylene polyamine or mixture of polyalkylene polyamines, said polyamines having an average molecular weight of less than about 1000 and an amount of a binder effective to maintain the viscosity of a slip and the cast weight of non-whiteware ceramic articles prepared therefrom, in an amount of from 0.0001 to weight percent based on the solids content of the slip to increase at least 5% of the green strength of articles prepared from the slip composition with a slip medium and a dispersant;

(c) mixing said slip of step (a) with the mixture of step (b); and

(d) preparing non-whiteware ceramic articles from the mixture of step (c) by conventional ceramic processing.

(Com. 33 pages)

Ind. Cl. 56-F [GROUP V]

173676

Int. Cl.⁴ C 10 G 47/00

HYDROCRACKING PROCESS

Applicant : SHELL INTERNATIONALE RESERACH MAATSCHAPPIJ B. V., A NETHERLANDS COMPANY OF CAREL VAN BYLANDTLAAN 30, THE HAGUE, THE NETHERLANDS.

Inventors : (1) TOM HUIZINGA (2) AREND HOEK (3) HENNIE SCHAPER (4) AAN HENDRIK KLAZINGA

Application No. 473/MAS/89 filed June 16, 1989.

Convention date : June 20, 1988; (No. 8814601; Great Britain)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims (No drawing)

Hydrocracking process in which a hydrocarbonaceous feedstock is contacted in the presence of hydrogen at a temperature in the range from 250 to 500°C, a hydrogen pressure of up to 300 bar, a space velocity between 0.1 and 10 Kg/l. h and a H₂/feedstock ratio of 100 to 5000 NI/kg with a hydrocracking catalyst comprising a zeolite of the Y type having an alkali metal oxide/aluminium oxide molar ratio of at most 0.13 and multivalent cations with a cationic radius between 0.6 and 1.0 Å at ion exchangeable positions, and at least one hydrogenation component of a Group 8 and/or Group 6B metal.

(Com. 14 pages)

Ind. Cl. 195-D&E [GROUP - XXIX(3)]

173677

Int. Cl.⁴ B 65 D 83/14

A SELF-REGULATING PRESSURE SUPPLY UNIT

Applicant : DISPAK PTY. LTD., OF 99 MARY STREET, CYGENT, STATE OF TASMANIA, COMMONWEALTH OF AUSTRALIA. A COMPANY INCORPORATED UNDER LAWS OF THE STATE OF TASMANIA.

Inventor : MICHAEL JOHN LESLIE

Application No. 685/MAS/89 filed September 15, 1989.

Convention date : October 7, 1988; (No. PJ 0823; Australia)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

12 Claims

A self-regulating pressure supply unit to supply a constant gas pressure to a point of use from a pressurised cylinder, said unit comprising a body attached to said pressurised cylinder and having a piston, a needle valve attached to said piston said needle valve piercing a membrane sealing said pressurised cylinder and regulating gas flow from said pressurised cylinder, said piston being attached to means for moving said piston, said means for moving said piston comprising a wall of a chamber pressurised to said constant gas pressure, spring means and means to apply point of use pressure to said means for moving said piston whereby a reduction in point of use pressure will move said piston due to differential pressure thereon.

(Com. 11 pages; Drwgs. 4 sheets)

3-12761/94

Ind. Class - 170B - [GROUP - XLIII(4)]

173678

Int. Cl.⁴ 23 P 15/28

A PROCESS FOR THE MANUFACTURE OF ZIRCONIA-YTTRIA COMPACTS FOR USE AS CUTTING TOOL INSERTS

Applicant : INDIAN INSTITUTE OF TECHNOLOGY, I.I.T. P. O., MADRAS - 600 036, TAMIL NADU, INDIA, AN AUTONOMOUS BODY SET UP BY THE GOVERNMENT OF INDIA UNDER AN ACT OF PARLIAMENT.

Inventors : (1) LALGUIDO MUTHUSAMY ARUNACHALAM (2) Dr. CHIMATA VENKATASUBRAMANIAN GOKULARATHNAM (3) Dr. RAMALINGAM KRISHNAMURTHY

Application No. 17/MAS/90 filed January 4, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims.

A process for the manufacture of Zirconia-Yttria compacts for use as cutting tool inserts comprising the steps of preparing a blend of Zr O₂ and Y₂ O₃ powder wherein Y₂ O₃ in the blend is 1.9 to 2.4 mol% of Zr O₂ mixing a binder, such as polyvinyl alcohol therewith and drying the mass to remove water vapour; consolidating the mass thereafter under pressure into compacts calcining and sintering the compacts; calcining and sintering the compacts before fast cooling the same, the resulting compacts being thereafter dressed to shape.

(Com. - 9 pages;

Drwgs. - 5 sheets)

Ind. Class - 108-C₁ - [GROUP - XXXIII(5)]

173679

Int. Cl.⁴ - C 21 C 7/00

AN IMPROVED METHOD FOR PRODUCING STEEL WITH A PREDETERMINED OXYGEN CONTENT

Applicant : INLAND STEEL COMPANY, 30, West MONROE STREET, CHICAGO, IL 60603, U.S.A., A DELWARE CORPORATION, U.S.A..

Inventors : (1) HOWARD MAYNARD PIELET

(2) LARRY ALEXANDER FRANK

(3) WILLIAM EDGAR

(4) MILAN ALAVANJA

Application No. 309/MAS/91 filed April, 18, 1991.

Divisional to Patent Application No. 910/MAS/87; Ante-dated to December 21, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims (No drawing)

An improved method for producing steel with a predetermined oxygen content, said method comprising the step off:

Preparing, in a steel refining furnace, molten steel containing carbon, manganese/sulphur and dissolved oxygen;

adjusting the dissolved oxygen content in said molten steel;

and then solidifying said molten steel;

said step of adjusting of dissolved oxygen content comprising at least one of the following expedients (a) (b) :

(a) pouring said molten steel into a ladle;

flowing said molten steel from said ladle into a tundish to form therein a bath of molten steel;

covering said bath in said tundish with slag layer comprising a first metal oxide, such as herein described, which is in or is moving toward equilibrium with the dissolved oxygen in said molten steel;

diluting said slag layer with at least one diluent metal oxide, such as herein described, thereby disrupting the equilibrium, or movement towards equilibrium, of (1) said first metal oxide in the slag and (2) the dissolved oxygen in said bath and causing additional first metal oxide to form at the molten steel-slag layer interface and be absorbed into the slag as a result of the tendency to reestablish an equilibrium between said first metal oxide in the slag layer and the dissolved oxygen content in the molten steel in the bath;

providing a molten steel-slag layer interface in said tundish having an area, per unit mass of molten steel in the tundish, greater than the surface area, per unit mass of molten steel, of the molten steel in said ladle;

and continuing said diluting step until the dissolved oxygen content in the molten steel is in the range 60 to 150 mg/kg (ppm);

(b) forming a bath of said molten steel;

determining the oxygen content and carbon content of the molten steel in said bath;

providing a gaseous mixture comprising an inert gas, such as herein described, and a content of carbon monoxide which is in disequilibrium with the previously determined dissolved oxygen content and carbon content of the molten steel in said bath;

mixing said gaseous mixture into said bath whereby said disequilibrium changes (1) the carbon monoxide content of the molten steel in said bath;

mixing said gaseous mixture into said bath whereby said disequilibrium changes (1) the carbon monoxide content of said gaseous mixture undergoing mixing, and (2) the dissolved oxygen content and carbon content in said molten steel, toward contents at which equilibrium exists;

and continuing said mixing step until the dissolved oxygen content is in the range 60 to 150 mg/kg (ppm).

(Com. - 28 pages)

Ind. Class - 12-D & 129-G 173680
[GROUPS - XXXIII(2) & XXXV]

Int. Cl.⁴ - C 21 D 8/06.

A FREELY MACHINABLE, DEFORMED, SOLID STEEL SHAPED ARTICLE SUCH AS BARS AND THE LIKE

Applicant : INLAND STEEL COMPANY, A DELAWARE CORPORATION, OF 30 WEST MONROE STREET, CHICAGO, IL 60603, U.S.A.

Inventors : (1) HOWARD MAYNARD PIELET
(2) LARRY ALEXANDER PRANK
(3) WILLIAM EDGAR
(4) MILAN ALAVANJA

Application No. 310/MAS/91 filed April 18, 1991.

Divisional to Patent Application No. 910/MAS/87; Antedated to December 21, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims (No drawing)

A freely machinable, deformed, solid steel shaped article such as bars and the like made by deformation and casting of molten steel containing dissolved oxygen up to 60 to 150 mg/kg (ppm), said solid steel shaped article consisting of a

microstructure having oxygen-containing, manganese sulfide inclusions; said manganese sulfide inclusions having a relatively globular shape due to the presence of 60 to 150 mg/kg (ppm) dissolved oxygen in the molten steel.

(Com. - 24 pages)

Ind. Class - 140-A - [GROUP - KI(2)] 173681

Int. Cl. - C 10 M 145/14

A PROCESS FOR PRODUCING OILS SUCH AS CRUDE OILS OR MINERAL OIL FRACTIONS

Applicant : HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF HENKELSTRASSE 67, 4000 DUSSELDORF, GERMANY.

Inventors : (1) WILFGANG RITTER
(2) CLAUDIAL MEYER
(3) WOLFRANG ZOLLNER
(4) CLAUS-PETER HEROLD
(5) STEPHAN VON TAPAVICZA

Application No. 34/MAS/89 filed January 17, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972), Patent Office, Madras Branch.

8 Claims (No drawing)

A process for producing oils such as crude oils or mineral oil fractions having improved flow properties, and lower pour and solidifying points from crude oils or mineral oil having pour points about 20°C containing; paraffins and/or asphaltenes comprises admixing with the said oil 20 to 1000 ppm copolymers of acrylic and/or methacrylic acid esters of higher alcohols or alcohol cuts having at least 16 carbon atoms in the alcohol moiety and 0 to 20% by weight of free acrylic and/or methacrylic acids relative to the weight of said copolymer to obtain oil with improved flow properties and lower pour and solidifying points.

(Com - 16 pages)

Ind. Class - 172-C - [GROUP - XX] 173682
Int. Cl.⁴ - D 01 19/06

A LAP GUIDE ARRANGEMENT FOR A COMBING MACHINE

Applicant : MACHINEFABRIK RIETER AG, A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND OF CH-8406 WINTERTHUR, SWITZERLAND.

Inventor : HEINZ CLEMENT

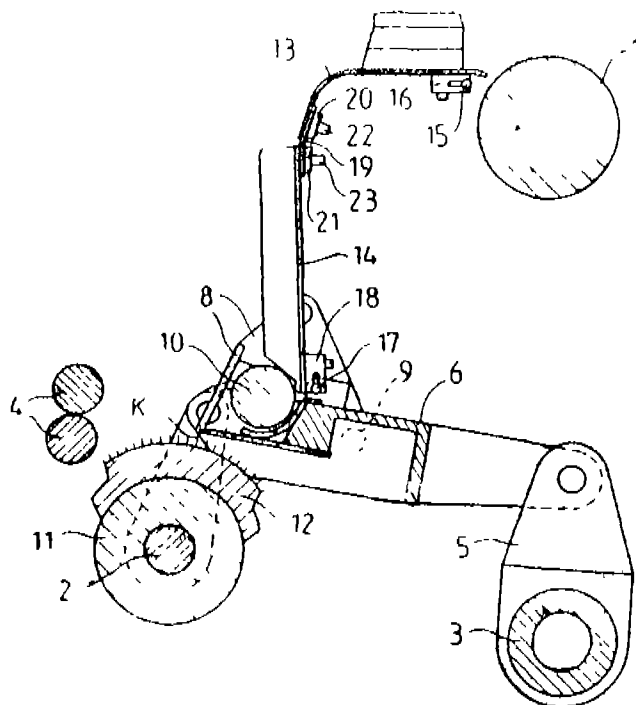
Application No. 167/MAS/89 filed February 28, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

11 Claims

A lap guide arrangement for a combing machine for guiding the lap to be combed between a lap roller (1) rigidly held in the frame and a feed roller (10) held in pivoting nipper (6, 8), comprising two guide plates (13, 1), swivellably connected to one another, a first one of which (13) is swivellably connected to an element (15; 24) fixed

on the frame and disposed at the lap roller (1), while the second of the said plates (14) is connected to an other element (17) swivelling with the nippers (6, 8) and arranged near the feed roller (10) wherein the two guide plates (13, 14) are interconnected by at least one strip (19) of flexible material as herein described fixed to the two plates (13, 14) in the region of adjacent edges of the plates.



(Com - 11 pages;

Drwgs. - 2 sheets).

Ind. Class - 32-F₁ & F₂(a) - [GROUP - IX(1)] 173683

Int. Cl.⁴ - C 07 C 49/675

PROCESS FOR PRODUCING 1-AMINOANTHRAQUINONES

Applicant : NIPPON SHOKUBAI KAGAKU KOGYO CO., LTD., A JAPANESE BODY CORPORATE, OF 1-1 KORAIBASHI 4-CHOME, CHUO-KU, OSAKA, JAPAN.

Inventors : (1) NOBORU SUGISHIMA
(2) NORIAKI IKEDA
(3) YASUSHI FUJII
(4) AKIRA INOUE

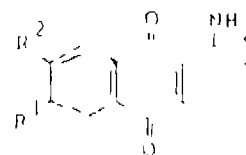
Application No. 176/MAS/89 filed March 2, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

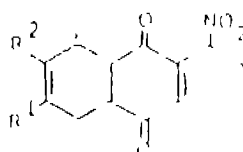
8 Claims

A process for producing 1-aminoanthraquinones represented by formula (C) of the accompanying drawing in which R₁ and R₂, independently from each other, denote one type selected from a hydrogen atom, an alkyl group having 1 to 4 carbon atoms and a halogen atom the said process

comprising the steps of converting 5-nitro-1, 4, 4d, 9a-tetrahydroanthraquinones represented by formula (A) of the accompanying drawing in which R₁ and R₂ are as defined above into 1-hydroxylaminoanthraquinones represented by formula (B) of the accompanying drawing in which R₁ and R₂ are as defined above, by stirring 5 nitro-1, 4, 4a, 9a-tetrahydroanthraquinones in a solvent at a temperature of 0 to 200°C in the presence of a basic compound such as hydroxide, carbonate or bicarbonate of metal selected from Group Ia, Ib, IIa and IIb in the periodic table, and electrolytically reducing the 1-hydroxylamino-anthraquinones in a non-oxidizing atmosphere, under a pressure of 0.1 to 25Kg/cm² G in the presence of a basic compound such as oxide, hydroxide, a weak acid salt of metal selected from Group Ia, Ib, IIa and IIb in the periodic table, ammonia, ammonium carbonate, an ammonia complex salt, a primary amine, a secondary amine, a tertiary amine, a quaternaryamine hydroxide or another hydrogen containing basic compound to obtain the 1-amino-anthraquinones of the formula (C).



FORMULA (C)



FORMULA (A)



FORMULA (B)

(Com. - 29 pages;

Drwgs. - 1 sheet)

Ind. Class-108-B₂- [GROUP-XXXII(5)]

173684

Int. Cl.⁴-C 22 B 5/00

A METHOD AND AN APPARATUS FOR PRODUCING A PREREDUCED PRODUCT SUITABLE FOR FINAL REDUCTION FROM MATERIAL CONTAINING METAL OXIDE SUCH AS ORE CONCENTRATE OR DRESSED ORE.

Applicant : A AHLSTROM CORPORATION, A FINNISH BODY CORPORATE OF SF-29600 NOORMARKKU, FINLAND.

Inventors : (1) HANS ELVANDER
(2) ROLF MALMSTROM

Application No. 216/MAS/89 filed March 20, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

22 Claims

Ind. Class-190-B&D-[GROUP-XLIV(4)]

173685

Int. Cl.-F 03 D 3/06

COMPLEMENTARY WIND ROTOR FOR THE HORIZONTAL AXIS WIND TURBINE.

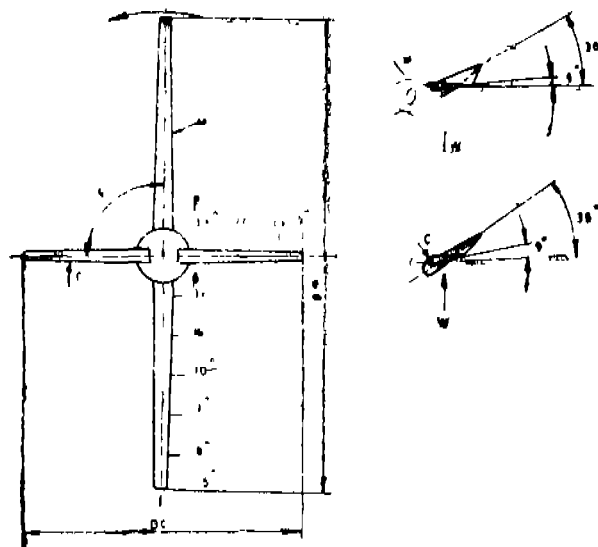
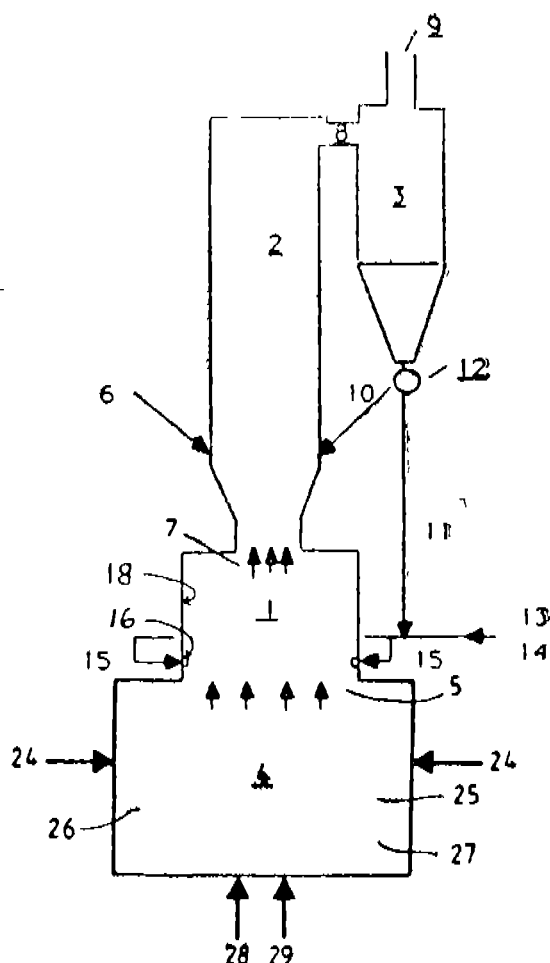
Applicants & Inventors : (1) THORALI MUNISWAMY KRISHNARAO, INDIAN, D4/31, BHEL TOWNSHIP, TIRUCHIRAPALLI-620 014 & (2) MOHAMED MOHIDEEN ANISUDDIN RIZWAN, INDIAN, 2, VEDANTHAM COLONY, MADRAS-600 047.

Application No. 604/MAS/89 filed August 14, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

A smaller complementary rotor, for wind turbine of propeller type, mounted integral to and coaxially in front of the main rotor, keeping a predetermined axial space between them, the diameter of the complementary rotor being in the range of 0.55 to 0.65 of that of the main rotor, and the said axial space being in the range of 5% to 10% of the diameter of the main rotor.



Ind. Class-11-C-[GROUP-1(2)]

173686

Ind. Class-195-D-[GROUP-XXIX(3)]

173687

Int. Cl.-A 01 K 39/00

A FEEDER FOR POULTRY AND OTHER DOMESTIC BIRDS AND ANIMALS.

Applicant : CTB, INC., A CORPORATION OF THE STATE OF INDIANA, OF STATE ROAD, 15 NORTH, MILFORD, INDIANA 46542, U.S.A..

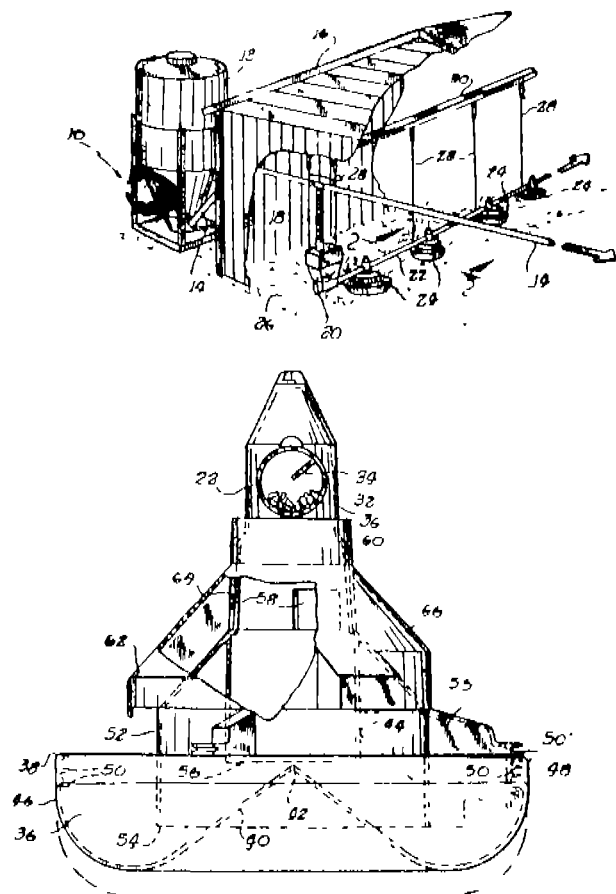
Inventors : (1) THEODORE JOHN COLE
(2) RAY E SWARTZENDRUBER

Application No. 879/MAS/89 filed December 1, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

A feeder for poultry and other domestic birds and animals comprising a pan member for containing and presenting feed for consumption, feeder tube means disposed above said pan member and connectible with a feed conveyor source, said feeder tube means having upper and lower feed gates formed therein for directing feed supplied to said feeder tube means from said feed conveyor source into said pan member, said upper feed gate comprising at least one aperture formed in said feeder tube means at a sufficient vertical height relative to the pan member to develop a feed pile within said pan member having an angle of repose which will cause feed to spill beyond the pan member.



(Com.—17 pages;

Drawgs.—3 sheets.)

Int. Cl.-F 16 K 25 '00

NON-RISING STEM VALVE ASSEMBLY.

Applicant : ENGINEERED CONTROLS INTERNATIONAL, INC., OF 100 REGO DRIVE, P.O. BOX 247, ELON COLLEGE, NC 27244, U.S.A., A CORPORATION OF THE STATE OF DELAWARE, U.S.A..

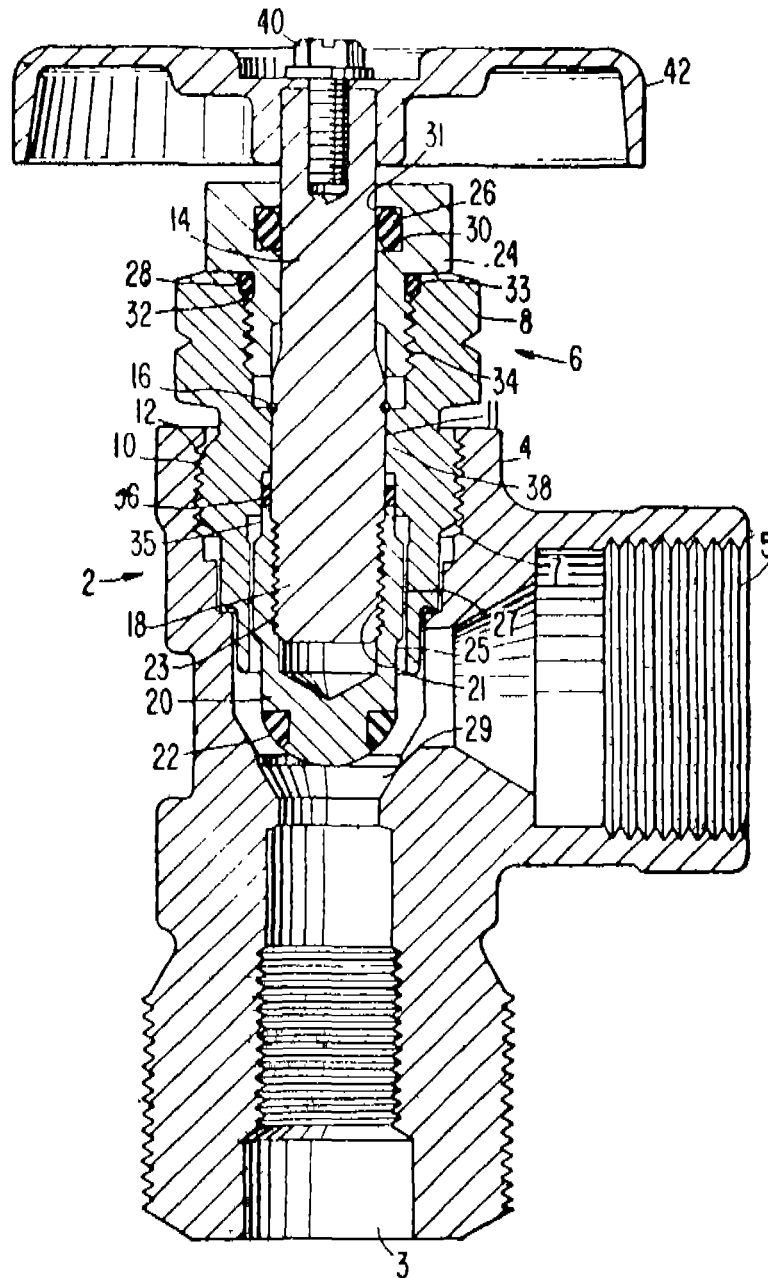
Inventors : (1) JAMES A PETERSEN
(2) TIMOTHY G CRATER

Application No. 686/MAS/89 filed September 15, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch

14 Claims

A non-rising stem valve assembly comprising a bonnet adapted for attachment to a valve body, said bonnet comprising an upper end, a lower end and a central passageway extending through said bonnet between the upper and lower ends thereof, a non-rising valve stem extending through the upper end of the said bonnet into said passageway and having a stem lower end within said passageway, securing means for securing said valve stem within said bonnet for rotational movement but against axial movement, a replaceable permanent seal means between the bonnet and the valve stem, a valve closure member, mounting means for mounting said valve closure member on said stem lower end for axial movement relative to said valve stem between a valve closed position and a back seat position, said back seat position being closest to the upper end of the extremity which extends into the said passageway at the lower end thereof and a lower extremity for movement outwardly beyond the lower end of the said bonnet and a sealing means is positioned at the upper extremity of said valve closure member between said valve stem and said bonnet, said sealing means being normally uncompressed and in non-sealing engagement with said bonnet when said valve closure member is in said valve closed and valve open positions, said sealing means being engagement with said bonnet, said valve stem and said upper extremity of said valve closure member when said valve closure member is moved to said back seat position so to create a temporary seal between said valve stem and said bonnet.



(Com.—16 pages;

Drawgs.—3 sheets)

Ind. Class : 40H-[GROUP-IV(1)]

173688

Application No. 776/MA5/89 filed October 23, 1989.

Int. Cl.⁴ B 01 D 53/00

Convention date : October 25, 1988; (No. 8824943; Great Britain).

A PROCESS FOR REMOVING HYDROGEN SULPHIDE AND CARBON DIOXIDE FROM A GAS MIXTURE CONTAINING HYDROGEN SULPHIDE AND CARBON DIOXIDE.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

Applicant : SHEEL INTERNATIONALE RESEARCH MAATSCHAPPIJ B V, OF CAREL VAN BYLANDT-LAAN 30, 2596 HR, THE HAGUE, THE NETHERLANDS, A NETHERLANDS COMPANY.

10 Claims

Inventors : (1) JOHANNES FRANCISCUS VAN BAAR
(2) WALTERUS JACOBUS VAN LITH

A process for removing hydrogen sulphide and carbon dioxide from a gas mixture containing hydrogen sulphide and carbon dioxide comprising contacting the gas mixture

with an aqueous liquid at about composition with 0.3 to 2 mol/l of a physical solvent such as herein described and 1 to 4 mol/l aminopyridine

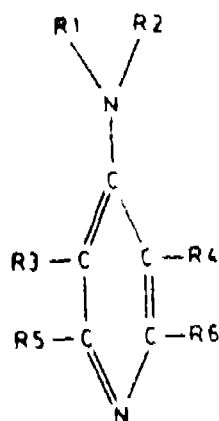


FIGURE 1

(Com.—9 pages;

Drwg.—1 sheet)

Ind. Class-12B-G-[GROUP-XIX(2)]

173689

Int. Cl.⁴ A 61 M 1/00

MEDICAL BAG.

Applicant : SHOWA DENKI KABUSHIKI KAISHA, A JAPANESE COMPANY OF 13-9, SHIBADAIMON 1-CHOME, MINATO-KU, TOKYO, JAPAN.

Inventors : (1) TOSHIO IAKA
(2) TAKUO OHKUBO
(3) YOSHIMASAL SAITO

Application No. 878/MAS/89 filed on December 1, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims (No drawing)

A medical bag made of a film mainly comprising low-density polyethylene and an ethylene/1-olefin copolymer, the film having a density of 0.920 g/cm³ or less, containing at least 15% by weight of a component having a melting point of 117°C or less, and having a percent heat shrinkage or not more than 20% in the machine direction at 120°C.

(Com.—27 pages;

Drwga.—Nil)

Ind. Class-63-A-[GROUP-LVIII(1)]

173690

Int. Cl.⁴ H 01 R 39/14 H 02 K 13/00

COMMUTATOR SYSTEM FOR ELECTRICAL MACHINES.

Applicant : GANZ ANSALDO VILLAMOSSAGI RT., OF LOVOHAZ UTCA 39, H-1024 BUDAPEST, HUNGARY, A HUNGARIAN COMPANY

Inventors : (1) ISTVAN VADASZ
(2) JOZSEF IMRE
(3) JANOS MARTON

Application No. 130/MAS/90 filed on February 16, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

Commutator system for electrical machines, preferably for electric traction motor of locomotives, particularly in narrow-gauge locomotives, where said commutator system comprises a commutator hub arranged on the shaft of the electrical machine, a ring clamp, a segment crown insulated from said commutator hub and a ring clamp, furthermore, an elastic element axially pressing said commutator hub and said ring clamp towards each other, characterized in that said elastic element is a disc-shaped clamping plate (7) provided with a flange (12), which has a tapered transitional part (11) adjoining the flange (12) and a middle part (13) is connected with bolts (8) to said commutator hub (2), furthermore, a circular bulge (22) is formed on the side of the flange (12) of the clamping plate (7) leaning against the ring clamp 96.

(Com.—15 pages;

Drwga.—2 sheets)

Ind. Class-9-[GROUP-XXXIII(1)]

173691

Int. Cl.⁴ C 22 C 21/02

A METHOD OF PRODUCING A CASTING OF HYPEREUTECTIC ALUMINIUM SILICON ALLOY.

Applicant : COMALCO ALUMINIUM LIMITED, OF 55 COLLINS STREET, MELBOURNE, VICTORIA 3000, AUSTRALIA, A COMPANY INCORPORATED IN THE STATE OF VICTORIA.

Inventors : (1) JOHN ALAN EADY
(2) CHRISTOPHER JOHN HEATHCOCK
(3) PETER LAWRENCE KEAN
(4) RODNEY ALAN LEGGE
(5) HEVIN PHILIP ROGER

Application No. 108/MAS/89 filed February 10, 1988.

Convention date : February 10, 1988; (No. P1 6681; Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

17 Claims

A method of producing a casting of hypereutectic aluminium-silicon alloy comprising the steps of forming a melt by melting together

| | | | |
|---|-------|----|--------|
| Silicon | 12 | to | 15% |
| Strontium | 0.11 | to | 0.4% |
| Titanium | 0.005 | to | 0.1% |
| where added as (Al, Ti)B and/or TiB ₂ , and 0.005 to 0.25% if not added as (Al, Ti)B and/or TiB ₂ | | | |
| Copper | 1.5 | to | 5.5% |
| Nickel | 1.0 | to | 3.0% |
| Magnesium | 0.1 | to | 1.0% |
| Iron | 0.1 | to | 1.0% |
| Manganese | 0.1 | to | 0.8% |
| Zirconium | 0.01 | to | 0.1% |
| Zinc | 0 | to | 3.0% |
| Tin | 0 | to | 0.2% |
| Lead | 0 | to | 0.2% |
| Chromium | 0 | to | 0.1% |
| Sodium | 0 | to | 0.01% |
| Elemental Boron | 0 | to | 0.05% |
| Calcium | 0 | to | 0.003% |
| Phosphorous | 0 | to | 0.003% |

and others up to 0.05% each, the balance being Aluminium, all percentages being on a weight percentage basis; and casting said melt substantially without any melt loss of Strontium to obtain a hypereutectic wear resistant Al-Si alloy having improved machinability and fatigue strength in which any primary Silicon is substantially uniformly dispersed and free of segregation, and in which Strontium intermetallic compounds are substantially uniformly dispersed, free of segregation and substantially free of particles of said compounds in the form of platelets, the alloy predominantly comprising a matrix comprising eutectic with not more than 10% of primary alpha-aluminium dendrites.

(Com.—38 pages;

Drawgs.—17 sheets)

Ind. Cl. 172 D 2 [GROUP XX]

173692

Int. Cl.⁴ B 65 H 54/06, 75/02.

"A METHOD AND DEVICE FOR PRODUCING THE CONICAL CROSS—WOUND BOBINS"

Applicant : SCHUBERT & SLAZER MASCHINENFABRIK AKTIENGESELLSCHAFT, OF FRIEDRICH-EBERT-STRASSE 84, 8070 INGOLSTADT, GERMANY, A GERMAN COMPANY.

Inventor : HUBERT LOCHBRONEER.

Application No. 195/MAS/89, filed on 14 March 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) The Patent Office Branch, Madras-600 002.

16 Claims

A method for producing conical cross-wound bobbins, more particularly for open end spinning, comprising supplying the thread with a specific velocity by draw-off rollers to a bobbin or an empty casing, which is driven during the winding process by a drive means controlled by a control unit at an operating velocity adapted to the thread supply velocity determining the actual outer diameter (D, D1/D2) of the bobbin (6) or the empty casing (7) and changing the drive velocity of the bobbin or empty casing relative to the operating velocity at least during a thread attachment phase as a function of the actual outer diameter of the bobbin or empty casing, such that the circumferential velocity of the bobbin or empty casing in the take-up region of the thread corresponds with the thread supply velocity.

(Complete Specification—23 Pages

Drawgs. 2 Sheets)

Ind. Cl. : 146-D₃ [GROUP—XXXVIII(3)]

173693

Int. Cl.⁴ : G 02 B 6/18.

AN OPTICAL FIBER COMPRISING A CORE COATED WITH A CLADDING HAVING A LOWER REFRACTIVE INDEX THAN THE CORE.

Applicant : MINNESOTA MINING AND MANUFACTURING COMPANY, A CORPORATION OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 3M CENTER, ST. PAUL, MINNESOTA 55144, U.S.A.

Inventors :

- (1) ALAN G. HULME-LOWE.
- (2) STEFAN A. BABIRAD.
- (3) PATRICA M. SAVU.

Application No. 197/MAS/89 filed March 14, 1989.

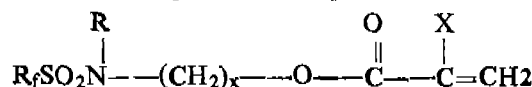
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 Claims

An optical fiber comprising a core coated with a cladding having a lower refractive index than the core, said cladding composition comprising

- (a) one or more fluorinated mono-acrylates selected from the group consisting of
- (i) fluorinated mono-acrylates having a fluorinated cyaloaliphatic radical having either a minimum of three C-F bonds or in which at least 25% of the C-H bonds have been replaced by C-F bonds, whichever degree of fluorination is higher, and

- (ii) compounds of the general formula



in which :

X represents H or an alkyl group of 1 to 5 carbon atoms,

x is 1 or 2,

R represents an alkyl group of 1 to 5 carbon atoms, and

R_f represents a fluoroaliphatic radical having either a minimum of three C-F bonds or in which at least 25% of the C-H bonds have been replaced by C-F bonds, whichever degree of fluorination is higher.

(b) a polyfunctional cross-linking acrylate being difunctional or higher, and

(c) a photoinitiator,

said composition comprising from 0 to 0.3% by weight of a mono- or polyfunctional thiol and being cured or crosslinked.

(Com. 26 pages;

Drawgs. 1 sheet)

Ind. Cl. : 33-A [GROUP—XXXIII(3)]

173694

Int. Cl.⁴ : B 22 D 11/00.

AN APPARATUS AND PROCESS FOR CONTINUOUS CASTING OF THIN METAL PRODUCTS.

Applicant : INSTITUT DE RECHERCHES DE LA SIDERURGIE FRANCAISE (IRSID), AND ESTABLISHMENT ORGANISED UNDER THE LAWS OF FRANCE, OF IMMEUBLE ELYSEES-LA-DEFENSE—19, LE PARVIS-LE DEFENSE 4 92800-PUTEAUX, FRANCE.

Inventor : PAUL VICTOR RIBOUD.

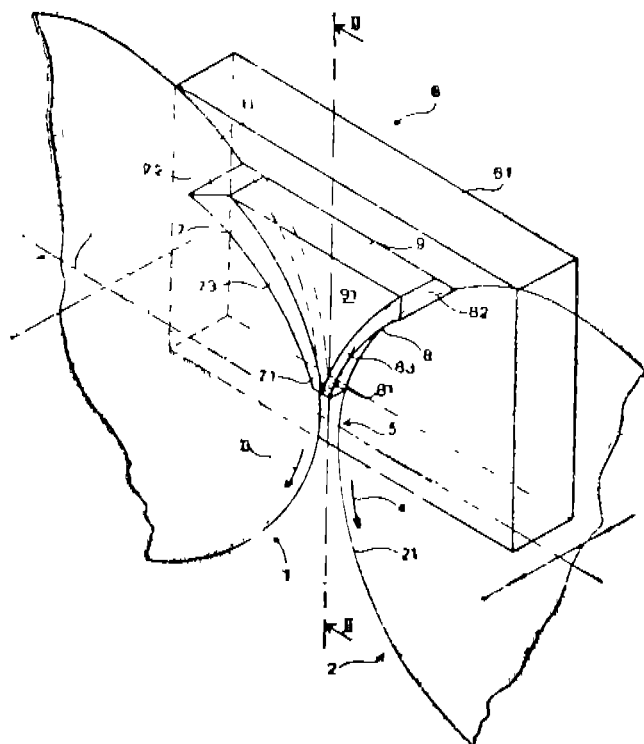
Application No. 631/MAS/89 filed August 22, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

An apparatus for continuous casting of thin metal products comprising a casting space formed by two mutually confronting cooled movable walls (1, 2) driven simultaneously in the same direction (3, 4) and delimited with two stationary lateral walls (6) a closing plate retained against the end faces of the movable walls (1, 2) and two inserts (7, 8) made of a material of good thermal conductivity, which penetrate into the casting space between the movable walls, and are adjacent to the edge (11) of the said movable walls with a face (73, 83) directed towards the casting space extending near

to the neck (5) between the movable walls and between them delimiting a zone consisting of a covering made of thermally insulating material (9) with a plane or concave surface (91).



(Com. 17 pages;

Drwgs. 5 sheets)

Ind. Cl.: 180 [GROUP—XV]

173695

Int. Cl.⁴: A 47 J 37/04.

AN IMPROVED HOT PLATE FOR CULINARY PURPOSES.

Applicant & inventor: PARTHASARATHY RANGANATHAN VIJAYA RAGHAVAN, 33, KRISHNAPPA AGRAHARAM STREET, MADRAS-600 079, TAMIL NADU, INDIA, INDIAN NATIONAL.

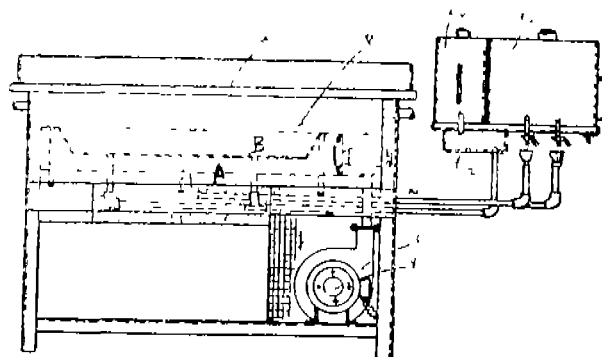
Application No. 899/MAS/89 filed December 7, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims

An improved hot plate for culinary purposes comprising an air chamber accommodating at least one perforated burner cup covered by a perforated burner plate; at least one air inlet coupled to a blower for entry of air into the air chamber; at least one air vent above the burner plate for exit of

hot gases; a fuel inlet pipe for supply of liquid fuel, such as, diesel oil or kerosine, to the burner cup, the air from the air chamber entering the burner cup, through its perforations to mix with the fuel during combustion; a plurality of air deflectors provided on the interior of the wall of the air chamber such that air entering the said chamber is first uniformly distributed or circulated therewithin before entering the burner cup; a water inlet coupled to a pump for directing a spray of water against the burner cup during combustion; and a hot plate member, surmounting the burner plate, for receiving food substances to be heated and cooked thereon.



(Com. 10 pages;

Drwgs. 2 sheets)

Ind. Cl.: 98-G [GROUP—VII(2)]

173696

Int. Cl.⁴: F 28 D 7/00.

HIGH-PERFORMANCE HEAT EXCHANGER.

Applicants: AMMCNIA CASALE S.A., OF VIA DELLA POSTA 4, CH-6000 LUGANO-SWITZERLAND, A SWISS COMPANY; AND UMBERTO ZARDI, OF VIA LUCINO 57, CH-6932 BREGANZONA-SWITZERLAND, A SWISS CITIZEN.

Inventor: GIORGIO PAGANI

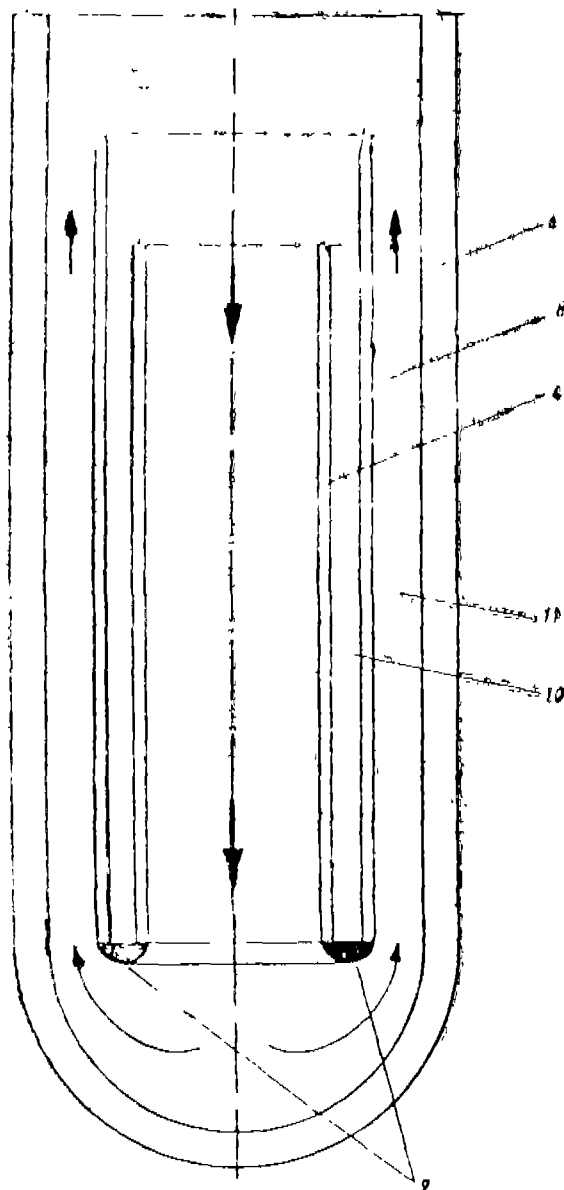
Application No. 175/MAS/90 filed March 9, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

A high performance heat exchanger for the recovery of heat from a heating fluid such as reacted gas, comprising a plurality of first tubes projecting from an upper tube plate and open at the bottom, the said first tubes are bayonet joined to a plurality of second tubes projecting from a lower tube plate and closed at the bottom providing an airspace between the external wall of said first tubes and the internal wall of said second tubes, wherein heat exchange resistances are provided by inserting third tubes between said first and second tubes, the lower end of the said third tubes are closed on the corresponding lower end of said first tubes.

8 Claims



(Com. 11 pages;

Drawgs. 4 sheets)

Ind. Cl.: 128-G [GROUP—XIX(2)]

173697

Int. Cl.⁴: B 01 D 13/00.

A DEVICE FOR SEPARATING ONE OR MORE SUBSTANCES FROM A FLUID TO BE ADMINISTERED TO A PATIENT.

Applicant: THE PALL CORPORATION, OF 30 SEA CLIFF AVENUE, GLEN COVE, NEW YORK 11542, UNITED STATES OF AMERICA INCORPORATED UNDER THE LAWS OF NEW YORK STATE IN THE UNITED STATES OF AMERICA.

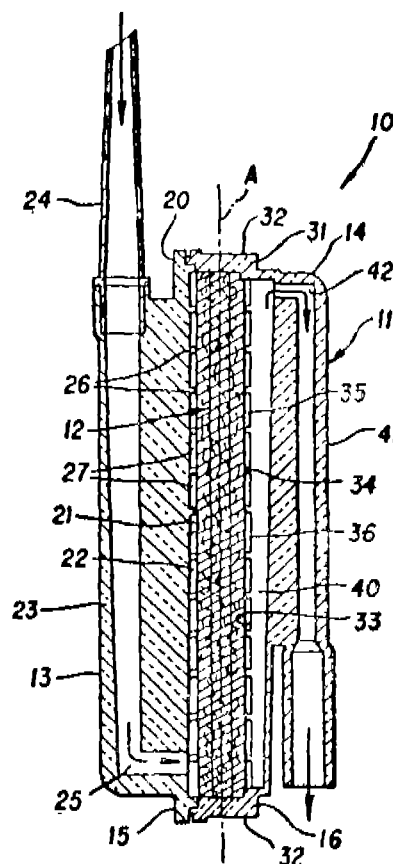
Inventor: DAVID B. PALL.

Application No. 955/MAS/91 filed December 31, 1991.

Divisional to Patent Application No. 733/MAS/88; Antedated to October 21, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

A device for separating one or more substances from a fluid to be administered to a patient comprising: a housing (11) including an inlet (13) near the bottom of the housing and an outlet (14) near the top of the housing; and defining a fluid flow path between the inlet and the outlet; a separating element (12) disposed within the housing across the fluid flow path, wherein the separating element (12) includes an upstream surface and a downstream surface; wherein the said housing facing the downstream surface of the separating element (12) includes an outlet wall (33) and defining an outlet plenum (36) and a slot (40) disposed in the outlet wall and communicating between the outlet plenum (36) and the outlet (14) for allowing air in the fluid to separate from the fluid; and the said housing including an inlet wall facing the upstream surface of the separating element (12) and defining an inlet plenum (22) said inlet plenum (22) communicating with the inlet (13).



(Com. 107 pages;

Drawgs. 2 sheets)

Ind. Cl.: 32-C [GROUP—IX(1)]

173698

Int. Cl.⁴: C 12 P 21/00.

A PROCESS FOR PREPARING GLYCOPEPTIDES ANTIBIOTIC BALHIMYCIN AND ITS DESMETHYL DERIVATIVES.

Applicant: HOECHST AKTIENGESellschaft, OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors:

- (1) LASZLO VERTESY.
- (2) JOACHIM BETZ.
- (3) HANS-WOLFRAM FEHLHABER.
- (4) MICHAEL LIMBERT.

Application No. 2/MAS/92; filed January 3, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims (No drawing)

A process for preparing glycopeptide antibiotic balhimycin and its desmethyl derivatives comprising culturing the micro-organism *Actinomyces* species Y-86,21022 (DSM 5908) in a nutrient medium containing carbon sources, nitrogen sources and mineral salts, and subsequently isolating balhimycin and its derivatives from the said culture medium in a known manner.

Director.

(Com. 23 pages).

Ind. Cl.: 40-H [GROUP—IV(1)]

173699

Int. Cl.⁴: C 87 C 7/00.

A CONTINUOUS PROCESS FOR SEPARATING ONE OR MORE COMPONENTS SELECTED FROM THE GROUP CONSISTING OF METHANE ETHYLENE AND ETHANE FROM A HYDROCARBON GAS FEED STREAM.

Applicant: ADVANCED EXTRACTION TECHNOLOGIES INC., OF NO. 2, NORTHPOINT DRIVE, SUITE 820, HOUSTON, TEXAS 77060, U.S.A., A U.S. COMPANY.

Inventor: YUV R. MEHRA.

Application No. 73/MAS/92 filed February 6, 1992.

Divisional to Patent No. 171839 (661/MAS/88); Antedated to September 20, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

A continuous process for separating one or more components selected from the group consisting of methane, ethylene and ethane, from a hydrocarbon gas feed stream comprising the steps of counter-currently contacting said hydrocarbon gas feed stream with a physical solvent selected from the group consisting of: (1) paraffinic solvents having molecular weights ranging from 75 to 140 and UOP characterization factors ranging from 12.0 to 13.5, said factors being independent of the aromatic content of said paraffinic solvents; (2) naphthenic solvents having molecular weights ranging from 75 to 130 and UOP characterization factors ranging from 10.5 to 12.0, said factors being independent of the aromatic content of said naphthenic solvents, and (3) benzene and toluene, to obtain an overhead stream containing one or more components selected from methane, ethylene and ethane and a solvent bottom stream rich in the remaining components of the feed stream; flashing the said solvent bottom stream to recover lean physical solvent and recycling the recovered, solvent stream to the contacting step.

(Com. 43 pages;

Drwgs. 7 sheets)

Ind. Cl.: 152-E [GROUP—XII(2)]

173700

Int. Cl.⁴: C 08 L 23/06.

PROCESS FOR THE PREPARATION OF A POLYETHYLENE COMPOSITION.

Applicant: STAMICARBON B.V., A DUTCH COMPANY, OF MIJNWEG 1, 6167 AC GELEFEN, THE NETHERLANDS.

Inventor: FRANCISCUS JOHANNES JOZEF HASELIER.

Application No. 435/MAS/92 filed July 16, 1992.

Divisional to Patent Application No. 395/MAS/89; Antedated to May 17, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

A process for the preparation of a polyethylene composition comprises mixing 20 to 98 wt.% of branched polyethylene A having a density of between 915 and 940 kg/m³ and a melt flow index of between 0.05 and 40 dg/minute, prepared by a high pressure radical process, and 2 to 80 wt.% of substantially linear polyethylene B having a density of between 850 and 915 kg/m³, a melt flow index of between 0.05 and 25 dg/minute and a DSC crystallinity at 23°C of at least 10%, prepared with the aid of a transition metal catalyst, under known conditions to obtain the polyethylene composition having a modulus of elasticity of at most 280 N/mm², wherein the difference between the highest DSC crystallization temperature of the branched polyethylene A and the highest DSC crystallization temperature of the linear polyethylene B is at most 10°C and the DSC crystallization curve of the polyethylene composition exhibits at most one crystallization peak between 125 and 95°C.

(Com. 19 pages;

Drwgs. 16 sheets)

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The Claim made by GANZ ANSALDO VILLAMOSSAGH RT in connection with Patent Application No. 130/MAS/90 (173690) has been allowed.

The Claim made by COMALCO ALUMINIUM LTD., in connection with Patent Application No. 108/MAS/89 (173691) has been allowed.

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CAL—20, MAS—01, BOM—01, DEL—18

*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of Sealing.

D—DRUG PATENT. F—FOOD PATENT.

RENEWAL FEES PAID

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REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

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No. 166401. Genius Plastics of Saki Vihar Road, Choksi Compound, Pawai, Bombay-400072, Maharashtra, India. Indian Partnership Firm. "A six gang plate". October 20, 1993.

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No. 166460.: Gunda Eshwar, Indian, trading as Sudhir Instruments, a proprietary firm of 6-3-1186/A, Rajbhavan Road, Begumpet, Hyderabad-500016, A. P. India. "Auto Injector (Syringe)". November 2, 1993.

R. A. ACHARYA
 Controller General of Patents Designs
 and Trade Marks